

PLANNING & PROGRAMMING DIVISION
PLANNING RESEARCH SECTION
TRAFFIC ANALYSIS UNIT

TAU 3074

T.H. 61

S.P. 6247-01

From Jct. T.H. 94 to East Jct. T.H. 212

Prepared: August, 1964

MINNESOTA HIGHWAY DEPARTMENT

U.S. DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

Office Memorandum

TO : T. S. Thompson

DATE: August 7, 1964

FROM : Johan Nygaard

SUBJECT: T.H. 61, S.P. 6247-01, From Jct. T.H. 94 to East Jct. T.H. 212.

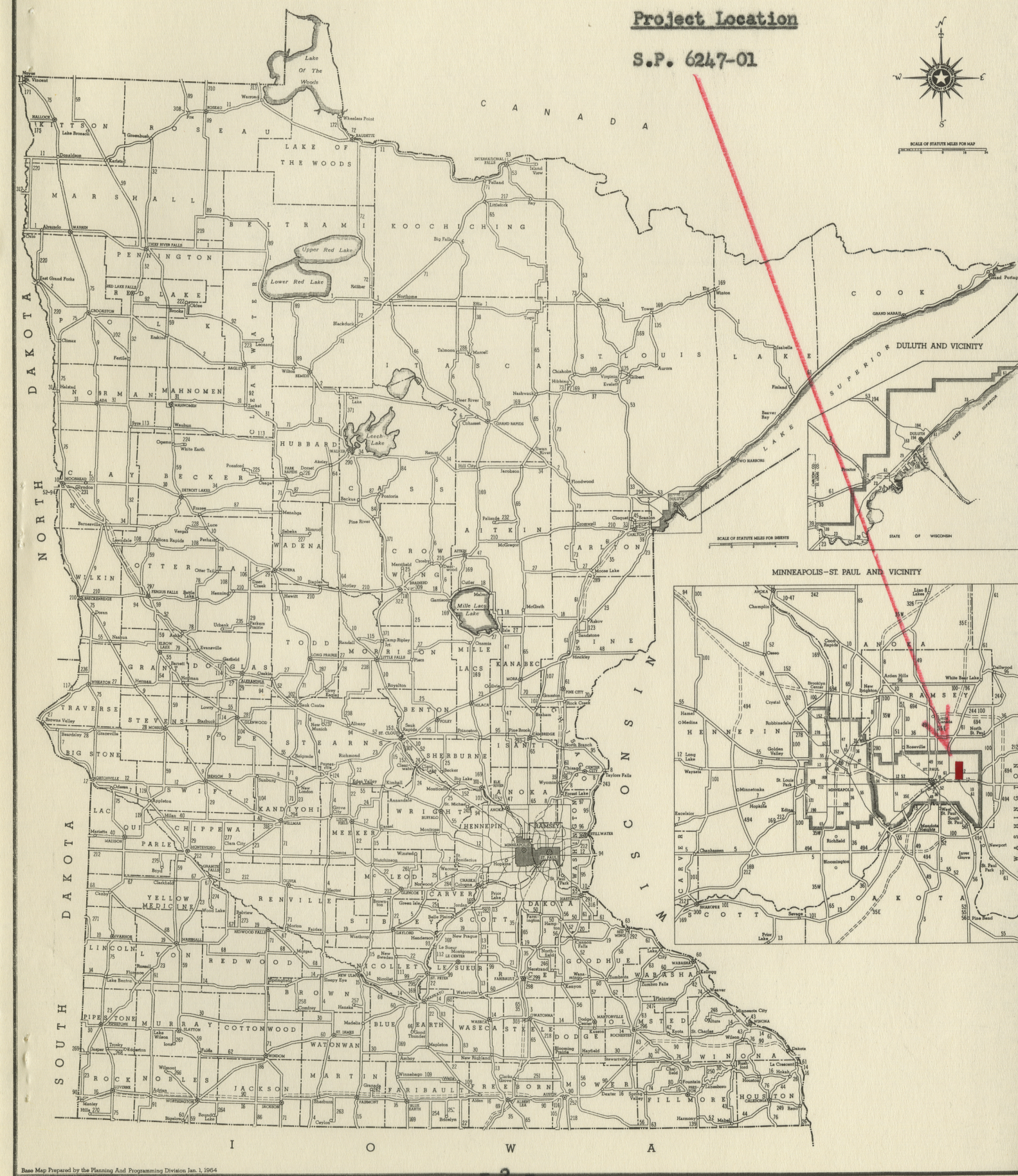
This report is submitted in response to a June 9, 1964, request for 1986 ADT, DHV and HCA DT for the project location shown on the map on page 2.

For each segment numbered on the index map on page 3, the following data is tabulated on the forms on pages 4, 5 and 6:

- Vehicle Type Distribution
- Total ADT
- Total Heavy Commercial ADT

Basic data, method and assumptions are presented on page 7.

This request was initiated by B. L. Warzala for Geometrics.



TRAFFIC ESTIMATE DATA

DESIGN YEAR 1986 PART 1 OF 3

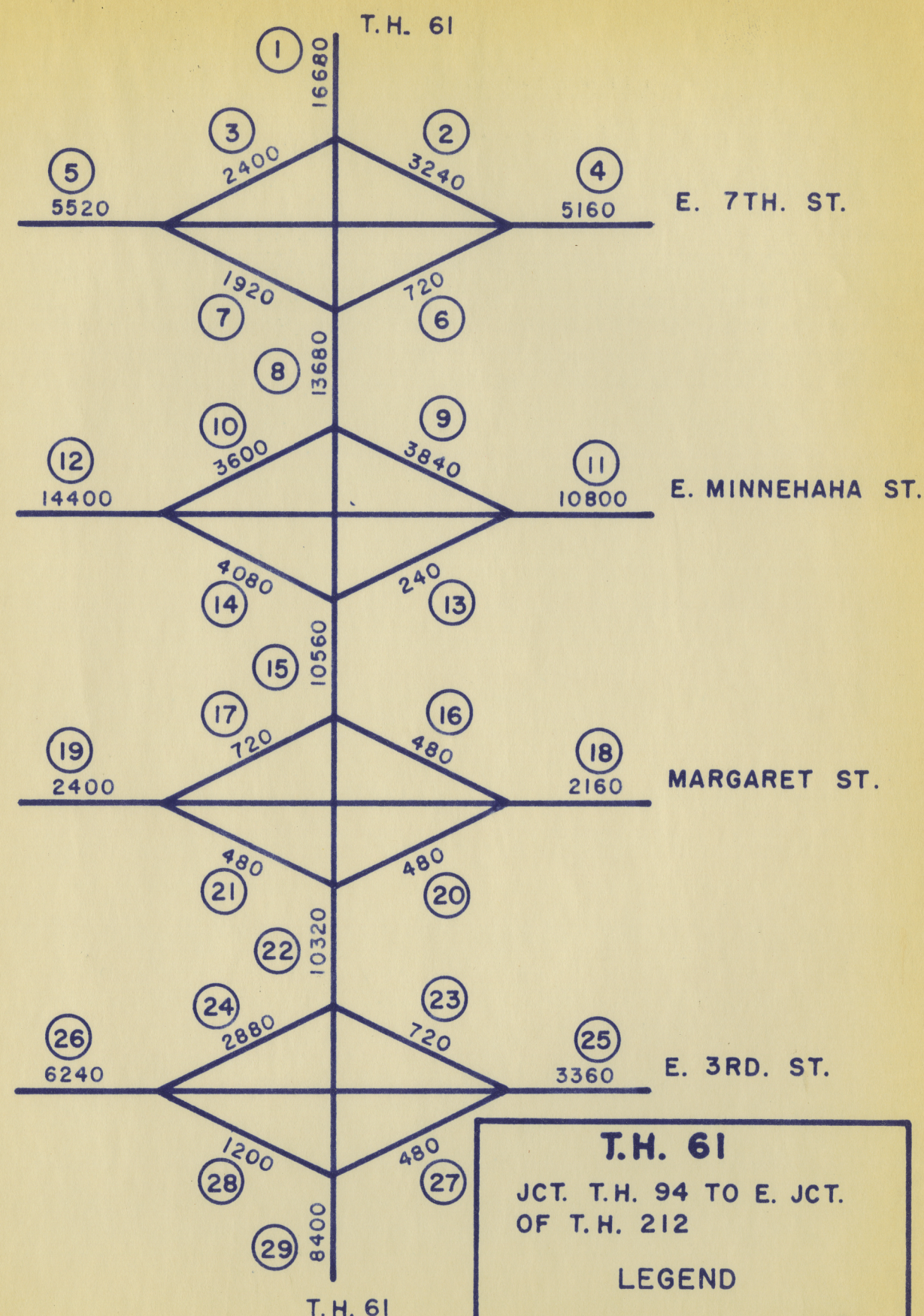
FOR

T.H. 61 S.P. 6247-01 LENGTH - MILESCOUNTY Ramsey LOCATION Jct. T.H. 94 toEast Jct. T.H. 212

BASED ON

1986 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 1 THROUGH 11 AS
DEFINED ON ATTACHED INDEX MAP

| VEHICLE * TYPE | SEGMENT NUMBER | | | | | | | | | | |
|-----------------------------|----------------|------|------|------|------|-----|------|-------|------|------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 0 | 15533 | 2905 | 2152 | 4630 | 4955 | 645 | 1723 | 12844 | 3630 | 3364 | 10209 |
| 1 | 553 | 173 | 128 | 276 | 295 | 38 | 112 | 402 | 98 | 92 | 275 |
| 2 | 212 | 14 | 11 | 22 | 24 | 3 | 8 | 198 | 68 | 64 | 191 |
| 3 | 57 | 25 | 18 | 41 | 43 | 6 | 15 | 35 | 3 | 13 | 9 |
| 4 | 92 | 48 | 35 | 77 | 81 | 11 | 18 | 38 | 6 | 17 | 16 |
| 5 | 83 | 12 | 9 | 19 | 20 | 3 | 7 | 72 | 5 | 22 | 14 |
| 6 | 150 | 63 | 47 | 95 | 102 | 14 | 37 | 91 | 30 | 28 | 86 |
| TOTAL ADT | 16680 | 3240 | 2400 | 5160 | 5520 | 720 | 1920 | 13680 | 3840 | 3600 | 10800 |
| TOTAL H. COMM. ADT | 1147 | 335 | 248 | 530 | 565 | 75 | 197 | 836 | 210 | 236 | 591 |
| TOTAL DHV | | | | | | | | | | | |
| DIRECTIONAL DISTRIBUTION | | | | | | | | | | | |

* VEHICLE TYPE CODE

0 = PASSENGER CARS AND 4 TIRE TRUCKS
 1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS
 2 = SINGLE UNIT-3 AXLE TRUCKS
 3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES
 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES
 5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES
 6 = BUSES AND TRUCKS WITH TRAILERS

TRAFFIC ESTIMATE DATA

DESIGN YEAR 1986 PART 2 OF 3

FOR

T.H. 61 S.P. 6247-01 LENGTH - MILES
COUNTY Ramsey LOCATION Jct. T.H. 94
to E. Jct. T.H. 212

BASED ON

1986 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 12 THROUGH 22 AS
DEFINED ON ATTACHED INDEX MAP

| VEHICLE * TYPE | SEGMENT NUMBER | | | | | | | | | | |
|-----------------------------|----------------|-----|------|-------|-----|-----|------|------|-----|-----|-------|
| | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| 0 | 13512 | 228 | 3797 | 9840 | 468 | 703 | 2106 | 2341 | 468 | 468 | 9605 |
| 1 | 367 | 6 | 104 | 322 | 11 | 16 | 48 | 53 | 11 | 11 | 317 |
| 2 | 256 | 4 | 73 | 143 | 1 | 1 | 6 | 6 | 1 | 1 | 143 |
| 3 | 37 | - | 18 | 37 | - | - | - | - | - | - | 37 |
| 4 | 53 | - | 26 | 41 | - | - | - | - | - | - | 41 |
| 5 | 61 | - | 30 | 110 | - | - | - | - | - | - | 110 |
| 6 | 114 | 2 | 32 | 67 | - | - | - | - | - | - | 67 |
| TOTAL ADT | 14400 | 240 | 4080 | 10560 | 480 | 720 | 2160 | 2400 | 480 | 480 | 10320 |
| TOTAL H. COMM. ADT | 888 | 12 | 283 | 720 | 12 | 17 | 54 | 59 | 12 | 12 | 715 |
| TOTAL DHV | | | | | | | | | | | |
| DIRECTIONAL DISTRIBUTION | | | | | | | | | | | |

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2 = SINGLE UNIT-3 AXLE TRUCKS
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4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES
5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES
6 = BUSES AND TRUCKS WITH TRAILERS

TRAFFIC ESTIMATE DATA

DESIGN YEAR 1986 PART 3 OF 3

FOR

T.H. 61 S.P. 6247-01 LENGTH - MILES
COUNTY Ramsey LOCATION Jct. T.H. 94
to East Jct. T.H. 212

BASED ON

1986 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 23 THROUGH 29 AS
DEFINED ON ATTACHED INDEX MAP

| VEHICLE * TYPE | SEGMENT NUMBER | | | | | | | | | | |
|-----------------------------|----------------|------|------|------|-----|------|------|--|--|--|--|
| | 23 | 24 | 25 | 26 | 27 | 28 | 29 | | | | |
| 0 | 689 | 2753 | 3216 | 5965 | 459 | 1148 | 7770 | | | | |
| 1 | 16 | 64 | 75 | 139 | 11 | 27 | 275 | | | | |
| 2 | 2 | 7 | 5 | 16 | 1 | 3 | 138 | | | | |
| 3 | - | 1 | 1 | 2 | - | - | 36 | | | | |
| 4 | - | 1 | 1 | 2 | - | - | 40 | | | | |
| 5 | - | 1 | 1 | 2 | - | - | 109 | | | | |
| 6 | 13 | 53 | 61 | 114 | 9 | 22 | 32 | | | | |
| TOTAL ADT | 720 | 2880 | 3360 | 6240 | 480 | 1200 | 8400 | | | | |
| TOTAL H. COMM. ADT | 31 | 127 | 144 | 275 | 21 | 52 | 630 | | | | |
| TOTAL DHV | | | | | | | | | | | |
| DIRECTIONAL DISTRIBUTION | | | | | | | | | | | |

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2 = SINGLE UNIT-3 AXLE TRUCKS
3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES
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6 = BUSES AND TRUCKS WITH TRAILERS

Basic Data, Method and Assumptions

The 1986 ADT and DHV has been transmitted in TAU 342, July, 1964. The HCADT submitted in this report is attendant to the 1986 ADT in TAU 342.

The HCADT assignments are based on the assumption that T.H. 61 will extend northward 500 feet from East Seventh Street to proposed T.H. 212. Analysis of the area revealed the project location would serve primarily local traffic.

The HCADT for T.H. 61 is based on five urban counts recorded on urban routes with similar travel characteristics. These counts were adjusted to reflect heavy commercial traffic assumed to be characteristic to the project location.

The HCADT on the crossroads was based on a field inspection and three short hour classification counts taken in July, 1964. These counts were expanded to current ADT and then projected to 1986 ADT by statewide vehicle type trends.

Current restrictions on heavy commercial traffic affected assignments of HCADT to East Third Street and Margaret Street. East Minnehaha Avenue reflects diversions to proposed T.H. 212. Segments 12 and 14 reflect assignments of HCADT contacting T.H. 61 (Arcade Street) north of Minnehaha Avenue.